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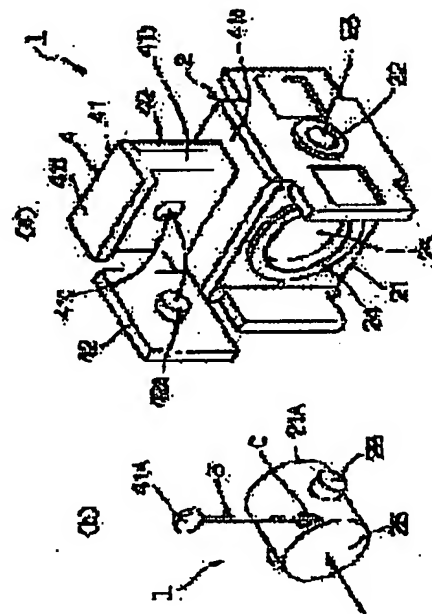
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KIGUCHIYA SEIGO**(54) CONTROL OF CRYSTAL GROWTH DIRECTION OF ICE AND EXPERIMENTAL APPARATUS FOR CRYSTAL GROWTH OF ICE****(57)Abstract:****PROBLEM TO BE SOLVED:** To automate the observation of crystal growth.**SOLUTION:** This apparatus is obtained by installing a crystal growth cell 2 filled with water, cooled to a temperature below the freezing point of the water and having a charge coupled device 23 and a comparator 25 and a glass capillary 3 having one end side inserted into the water in the crystal growth cell 2 and the other end side located on the outside of the crystal growth cell 2 and cooled. Furthermore the apparatus is provided with a nucleating cell 4 having a thin sheetlike water tank 41A for growing a thin-sheetlike crystal C of ice produced on the one end side of the glass capillary 3 so as to be parallel to the comparator 25.**LEGAL STATUS**

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